



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090139

Mode: Highway

Status: Submitted

US-158

From/Cross Street: East of NC 34 at Belcross in Camden County

Specific Improvement Type: 1 - Widen Existing Roadway

To: NC 168 in Currituck County

Project Category: Statewide Mobility

Length: 10.28

TIP#: R-2574

Fully Funded in Draft STIP? No

Cost to NCDOT: \$124,500,000

Description:

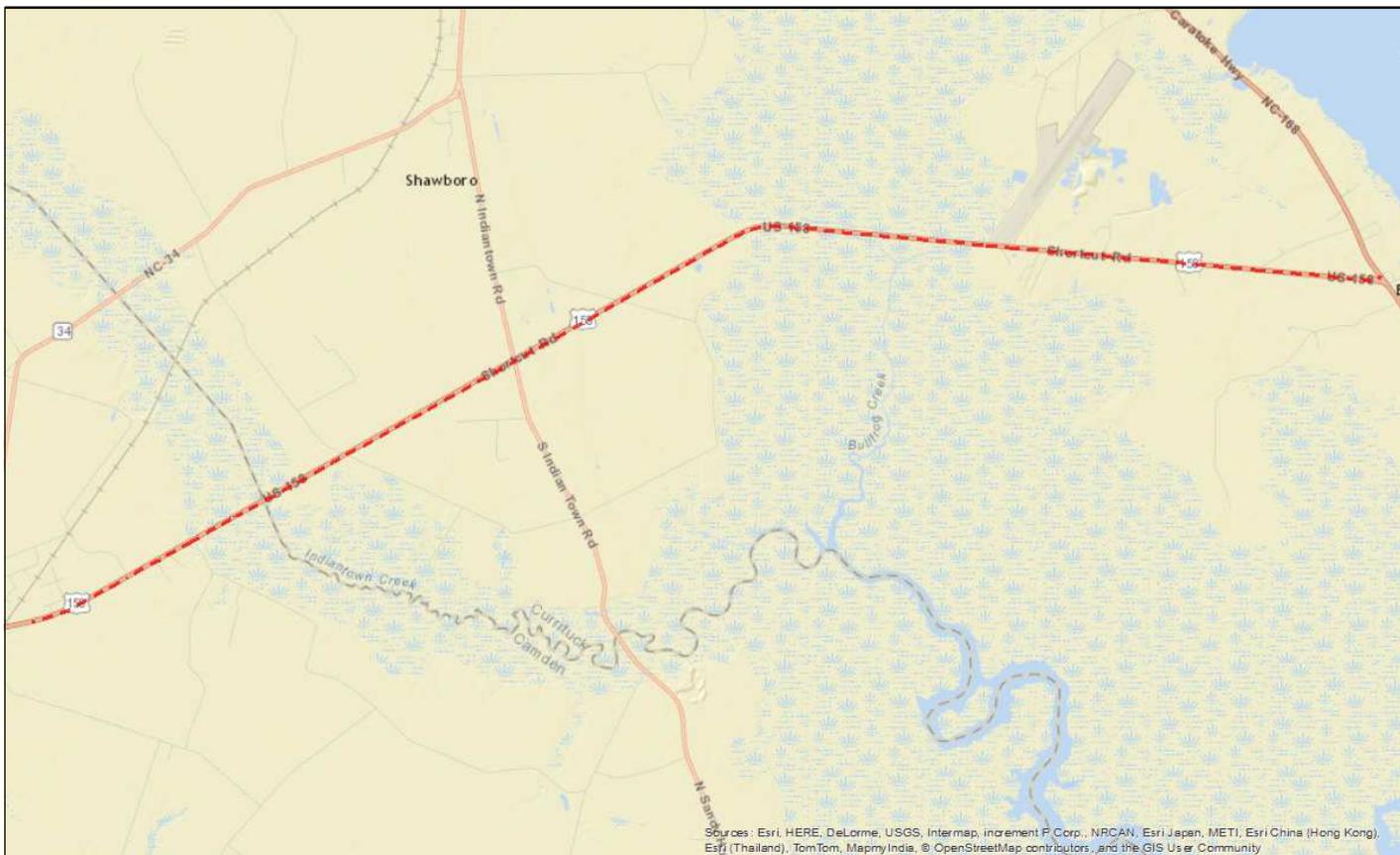
Widen to Multi-Lanes.

Division(s): Division 1

County(s): CURRITUCK, CAMDEN

MPOS(s)/RPO(s): Albemarle RPO

Project Location



Statewide Mobility Total Score: 12.92

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|-----------------------------------|
| [Travel Time] Benefit/Cost (30%) 0.05 Congestion (V/C) (30%) 25.90 Safety (10%) 42.82 Economic Competitiveness (10%) 1.01 Multimodal + [Freight & Military] (20%) 3.75 | N/A | N/A |
| Totals: Weight: 100% Weighted Score: 12.92 | | |

Regional Impact Total Score: 45.32

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|-----------------------------------|
| [Paved] Shoulder Width (10%) 50.00 Congestion (V/C) (15%) 25.90 [Travel Time] Benefit/Cost (20%) 0.05 Safety (15%) 42.82 Lane Width (10%) 0.00 | Percent: 15% Points: 100 | Percent: 15% Points: 100 |
| Totals: Weight: 70% Weighted Score: 15.32 | | |

Division Needs Total Score: 11.88

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|-----------------------------------|
| Congestion (V/C) (10%) 25.90 Safety (10%) 42.82 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 50.00 [Travel Time] Benefit/Cost (10%) 0.05 | Percent: 25% Points: 0 | Percent: 25% Points: 0 |
| Totals: Weight: 50% Weighted Score: 11.88 | | |

Project Data ***Existing Conditions**

| | |
|---|------------------|
| Existing Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles): | 10.28 |
| Facility Type: | Two Lane Highway |
| Access Control: | None |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Level |
| Lane Width: | 12 |
| Paved Shoulder Width: | 0 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 6065.83 |
| Capacity: | 15505.14 |
| Volume/Capacity Ratio: | 0.39 |
| % Autos: | 88% |
| % Trucks: | 12% |
| Truck Volume: | 750.26 |
| Crash Density: | 47.39 |
| Crash Severity: | 46.64 |
| Critical Crash Rate: | 34.44 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 2 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 32 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 81 |
| Actual Congested Speed: | 55.21 |
| Travel Time Index: | 0.99 |

Project Benefits

| | |
|--|---|
| Project Cross-Section: | 4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders |
| Speed Limit: | 55 |
| Length (miles): | 10.28 |
| Facility Type: | Multi-Lane Highway |
| Access Control: | Partial |
| Functional Classification: | Other Principal Arterial |
| Terrain Type: | Level |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 2 |
| Travel Time Savings for 30 Years (Total): | 265377.42 |
| Travel Time Savings for 30 Years (Autos): | 232553.67 |
| Travel Time Savings for 30 Years (Trucks): | 32823.75 |
| Long-Term Employment: | 4 |
| % Change in Economy: | 1.62E-05 |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | Yes |
| In CTP or LRTP? | No |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 1 |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 1 | 100% | 100 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 100 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|----------------|------------------------|-----------------------|
| Albemarle RPO | 100% | 100 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 100 | 0 |

Project Cost and Source

| | | |
|------------------------|----------------------|----------|
| Construction Cost: | \$82,500,000 | TIP Unit |
| Right-of-Way Cost: | \$40,600,000 | TIP Unit |
| Utilities Cost: | \$1,400,000 | TIP Unit |
| Total Project Cost: | \$124,500,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$124,500,000 | |